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Three new products receive Section 18 labels for Asian soybean rust management

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Three new fungicides have been given Section 18 labels for use against Asian soybean rust in Iowa (Table 1—please note, this table is based on the latest information available as of May 2, 2005). They are:

- Headline® SBR, a co-pack of pyraclostrobinand tebuconazole;
- Orius™ 3.6F, which contains the active ingredient tebuconazole; and
- Quilt™, a premix of azoxystrobin and propiconazole.

In addition, a number of amendments have been made to existing Section 18 labels:

1. The expiration date for all fungicides with Section 18 labels is November 10, 2007.
2. A maximum of three total applications using approved Section 18 products collectively may be made under the soybean rust Section 18. This includes all products that have been approved or may be approved for use at a later date. However, no more than two applications may be made with any given active ingredient. So, for example, a grower cannot make two applications of Tilt® followed by one application of Stratego®, because both products contain propiconazole.
3. The spray intervals for Folicur® and Stratego® have been changed to 10 to 21 days (the previous interval was 10 to 14 days).
4. Products containing the active ingredient propiconazole (namely Tilt®, Bumper®, Propimax™, Quilt™, and Stratego®) may be applied no later than soybean growth stage R5.
5. Products containing the active ingredient tebuconazole (namely Folicur®, Orius™, and Headline® SBR) have a preharvest interval (PHI) of 30 days (the previous PHI was 21 days).
6. Spray adjuvants can now be used with Stratego® (previously spray adjuvants were not allowed).

Please visit http://soybeanrust.info [1] for additional information about these fungicides. In particular, users should be familiar with personal protective equipment required, ground and surface water advisories, drift concerns relating to certain varieties of apples, and restrictions regarding the use of soybean hay and forage.

Table 1. Section 3 and Section 18 products for Asian soybean rust management (as of May 2, 2005). Click on the table below to view PDF version [2].

Table 1. Section 3 and Section 18 products for Asian soybean rust management (as of May 2, 2005)

	Product					Application			Volume (gpa)			Restrictions	
	Trade Name	Formulation	Active Ingredient (a.i.)	Chemical Group	Manufacturer	Rate/Acre	Spray Interval	Basic Information	Ground	Air	Signal Word	REI (hr)	Preharvest Interval
REGISTERED PRODUCTS	Bravo® Weather Stik	Flowable	chlorothalonil	Chloronitrile	Syngenta Crop Protection Inc.	1–2.5 pts	14 days		20–100 high volume spray 5–10 low volume spray	5–10	Caution	12	42 days
	Echo 720®	Flowable	chlorothalonil		Sipcam Agro Inc.	1–2 pts 1.5–2.5 pts.	14 days	3 applications 2 applications	20–100 high volume spray 10 low volume spray	5–10	Warning	12	42 days
	Quadris®	Flowable	azoxystrobin	Strobilurin	Syngenta Crop Protection Inc.	6.2–15.4 oz	14–21 days	max. 2 sprays	Sufficient water volume for adequate coverage and canopy penetration.	10	Caution	4	14 days after treatment. May be applied day of harvest to soybeans forage and hay.
	Headline®	Emulsifiable concentrate	pyraclostrobin		BASF Corporation	6–12 oz	10–21 days	max. 24 fl oz/season	Sufficient water volume for adequate coverage and canopy penetration.	not less than 5	Warning	12	21 days
	Tilt® 3.6EC	Emulsifiable concentrate	propiconazole	Triazole	Syngenta Crop Protection Inc.	4–8 fl oz	14 days	max. 128 oz/season	15	5	Warning	24	Do not apply later than soybean growth stage R5.
	Propiconazole 3.6EC	Emulsifiable concentrate	propiconazole		Dow AgroSciences	4–8 fl oz	10–14 days	max. 128 oz/season	Fine volume specification on Section 18 label—Minimum shoot at/above 15 gallons.	5	Warning	24	Do not apply later than soybean growth stage R5.
	Stamper® 41.6EC	Emulsifiable concentrate	propiconazole		Makhteshim-Agan	4–8 fl oz	14 days	max. 128 oz/season	15	5	Warning	24	Do not apply later than soybean growth stage R5.
PRODUCTS APPROVED - SECTION 18	Folicur® 3.6F	Flowable	tebuconazole		Bayer CropScience	3–4 fl oz	10–21 days	max. 128 oz/season	10	5	Caution	12	30 days
	Orius™ 3.6F	Flowable	tebuconazole		Makhteshim-Agan	3–4 fl oz	10–21 days	max. 128 oz/season	10	5	Caution	12	30 days
	Laredo™ 2EC	Emulsifiable concentrate	myclobutanil		Dow AgroSciences	4–8 fl oz	10–14 days	max. 16 fl oz/season	Adequate spray volume to achieve good coverage and canopy penetration.	5	Danger	24	28 days
	Laredo™ 2EC10	Oil in water emulsion	myclobutanil		Dow AgroSciences	4.8–9.6 fl oz	10–14 days	max. 16 fl oz/season	15–20; good coverage and canopy penetration	5	Caution	24	28 days
	Domark™ 230 ME	Micro-emulsion	tetraconazole		Valent Biosciences	4–8 fl oz	14–21 days	1 application/season	10–20 gallons per acre	5	Caution	24	Do not apply later than soybean growth stage R5.
	Headline® SBR	Co-pack	pyraclostrobin + boscalid	Strobilurin + triazole	BASF Corporation	3.0 fl oz	10–21 days	max. 2 sprays	Sufficient water volume, pressure, and nozzle selection to ensure thorough coverage.	5	Warning	12	30 days
	Quilt™	Flowable	azoxystrobin + propiconazole		Syngenta Crop Protection Inc.	14–28 fl oz	14–21 days	max. 40 fl oz/season	10	5	Caution	24	Do not apply later than soybean growth stage R5.
	Stratego®	Flowable	propiconazole + trifloxystrobin		Bayer Corporation	6.5–10 oz	10–21 days	max. 2 sprays	10	5	Warning	24	Do not apply later than soybean growth stage R5.

[3]

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http://www.ipm.iastate.edu/ipm/icm//ipm/icm/2005/5-2-2005/newfung.html

Links:
[1] http://soybeanrust.info
[2] http://www.ipm.iastate.edu/ipm/icm/rust_management_may_2005.pdf
[3] http://www.ipm.iastate.edu/ipm/icm/rust_management_may_2005.pdf

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